

September 18th, Tuesday – Day of Arrival

19:00-20:00

Registration

Conference Hall, Hotel "Volna"

September 19th, Wednesday – First Day	
8:40-9:00	Registration <i>Lobby at the entrance to Conference Hall, hotel “Volna”</i>
9:00-9:30	Opening
9:30-11:00	Session 1 of International Workshop Session 9 of All-Russia Conference Chairman: Lecture
9:30-10:20	FAN NOISE RADIATION FROM JET ENGINE INLET: CAA SIMULATION AND PHYSICS Christopher K.W. Tam and Sarah A. Parrish <i>Florida State University, USA</i>
	Contributed Talks
10:20-10:40	NUMERICAL INVESTIGATIONS OF TONAL NOISE OF COUNTER-ROTATING OPEN ROTORS I.A.Braïlko, V.I.Mileshin, A.A.Rossikhin <i>P.I.Baranov Central Institute of Aviation Motors, Moscow</i>
10:40-11:00	TOWARDS HYBRID CAA WITH GROUND EFFECTS Philippe Blanc-Benon ² , Jerome Boudet ² , Adrien Cahuzac ² , Didier Dagna ² , Marc C. Jacob ¹ ¹ <i>Laboratoire de Mecanique des Fluides et d’Acoustique, Universite Claude Bernard Lyon I / CNRS, Villeurbanne, France</i> ² <i>Laboratoire de Mecanique des Fluides et d’Acoustique, Ecole Centrale de Lyon / CNRS, Ecully, France</i>
11:00-11:20	Coffee-break
11:20-12:40	Session 2 of International Workshop Session 10 of All-Russia Conference Chairman: Contributed Talks
11:20-11:40	AEROACOUSTICS OF TRANSITIONAL AIRFOILS Vladimir Golubev ¹ , Reda Mankbadi ³ , Michel Roger ² ¹ <i>Embry-Riddle Aeronautical University, Daytona Beach, USA</i> ² <i>Ecole Centrale de Lyon, Ecully, France</i> ³ <i>Embry-Riddle Aeronautical University, Daytona Beach, USA</i>
11:40-12:00	EXPERIENCE OF CFD DATA IMPLEMENTATION FOR PREPARATION AND PERFORMING THE WIND TUNNEL EXPERIMENT WITH NON-STATIONARY SEPARATIONS AND BOUNDARY LAYER LAMINAR-TURBULENT TRANSITION TAKING INTO ACCOUNT S.Bosnyakov , S.Matyash, S.Mikhailov, V.Vlasenko <i>Central Aerohydrodynamic Institute (TsAGI), Zhukovskiy, Moscow region, Russia</i>
12:00-12:20	ANALYSIS OF PRESSURE DATA OBTAINED IN THE NEAR FIELD OF TRANSONIC JETS USING WAVELET TRANSFORM Roberto Camussi ¹ , Silvano Grizzil ² ¹ <i>Universita Roma Tre, Rome, Italy</i> ² <i>CNR-INSEAN, Italian Hydrodynamic Institute, Rome, Italy</i>
12:20-12:40	APPLICATION OF THE FLUCTUATION DIAGRAM TECHNIQUE FOR STUDYING ACOUSTIC DISTURBANCES IN FLOWS WITH THE HELP OF HOT-WIRE V.A. Lebiga , A.Yu. Pak, V.N. Zinoviev <i>Khristianovich Institute of Theoretical and Applied Mechanics SB RAS, Novosibirsk, Russia</i>
12:40-14:10	Lunch

14:10-15:40	Session 3 of International Workshop Session 11 of All-Russia Conference Chairman:
	Lecture
14:10-15:00	ON SENSITIVITY OF LES TO NUMERICS AND GRID-RESOLUTION WITH THE VIEW OF LANDING GEAR NOISE PREDICTION Michael Shur ¹ , Philippe Spalart ² , Mikhail Strelets¹ , Andrey Travin ¹ ¹ <i>St.Petersburg State Polytechnical University, Russia</i> ² <i>Boeing, USA</i>
	Contributed Talks
15:00-15:20	LARGE EDDY SIMULATION OF THE FLOW PAST A CIRCULAR CYLINDER AT REYNOLDS NUMBERS 3900, 20000 AND 140000 Ivar Ertesvag ² , Dmitry Lysenko¹ , Kjell Eric Rian ¹ ¹ <i>Norwegian University of Science and Technology, Trondheim, Norway</i> ² <i>Computational Industry Technologies AS, Trondheim, Norway</i>
15:20-15:40	FLOW AROUND TANDEM CYLINDERS AND ITS NOISE EMISSION WITH DDES AND IDDES D.Eschricht, B.Greschner, U.Michel , C.Mockett, F.Thiele <i>Technische Universitat Berlin, Germany</i>
15:40-16:00	Coffee-break
16:00-17:00	Session 4 of International Workshop Session 12 of All-Russia Conference Chairman:
	Contributed Talks
16:00-16:20	EXPERIMENTAL AND NUMERICAL INVESTIGATIONS OF STRUCTURE OF NOISE SOURCES PAST CYLINDER A.Duben^{1,2} , V.Kopiev ³ , T.Kozubskaya ¹ , N.Lukyanov ⁴ , N.Ostrikov³ , M.Zaitsev ³ ¹ <i>Keldysh Institute of Applied Mathematics, Moscow, Russia</i> ² <i>Moscow State Technological University "Stankin", Moscow, Russia</i> ³ <i>Central Aerohydrodynamic Institute (TsAGI), Moscow Research Complex, Moscow, Russia</i> ⁴ <i>Moscow Institute of Physics and Technology, Dolgoprudny, Moscow region, Russia</i>
16:20-16:40	NUMERICAL SIMULATION OF ABSORPTION OF ULTRASOUND BY POROUS COATINGS A.N. Kudryavtsev¹ , D.V. Khotyanovsky ² <i>Khristianovich Institute of Theoretical and Applied Mechanics SB RAS, Novosibirsk, Russia</i>
16:40-17:00	AEROACOUSTICS OF SUPERSONIC BOUNDARY LAYERS S.A. Gaponov <i>Khristianovich Institute of Theoretical and Applied Mechanics SB RAS, Novosibirsk, Russia</i>
17:30- ...	Reception at City Cathedral, Kaliningrad <i>Buses depart from hotel "Volna"</i>

September 20th, Thursday – Second Day	
9:30-11:00	Session 5 of International Workshop Session 13 of All-Russia Conference Chairman:
	Lecture
9:30-10:20	SUPERCONVERGENCE AND LONG TIME SIMULATION ACCURACY OF DISCONTINUOUS GALERKIN METHOD FOR HYPERBOLIC WAVE EQUATIONS Chi-Wang Shu <i>Brown University, USA</i>
	Contributed Talks
10:20-10:40	EDGE-BASED RECONSTRUCTION SCHEME AND ITS WENO IMPLEMENTATION FOR SOLVING AERODYNAMICS AND AEROACOUSTICS PROBLEMS ON UNSTRUCTURED TETRAHEDRAL MESHES Ilya Abalakin ¹ , Pavel Bakhvalov ² , Tatiana Kozubskaya ¹ ¹ <i>Keldysh Institute of Applied Mathematics, Moscow, Russia</i> ² <i>Moscow Institute of Physics and Technology (FizTech), Dolgoprudny, Moscow region, Russia</i>
10:40-11:00	CABARET SCHEME WITH CONSERVATION FLUX ASYNCHRONOUS TIMESTEPPING FOR COMPUTATIONAL AEROACOUSTICS Sergey A. Karabasov, Vasily A. Semiletov <i>University of Cambridge, Cambridge, CB3 0DY, UK</i>
11:00-11:20	Coffee-break
11:20-12:40	Session 6 of International Workshop Session 14 of All-Russia Conference Chairman:
	Contributed Talks
11:20-11:40	UNDERSTANDING AND REDUCTION OF CRUISE JET NOISE AT AIRCRAFT LEVEL Jerome Huber <i>Airbus Operations SAS, Toulouse, France</i>
11:40-12:00	EXPERIMENTAL AND NUMERICAL INVESTIGATION OF JET FLAP INTERACTION EFFECTS D.Lyubimov, V.Maslov, A.Mironov , A.Secundov, D.Zakharov <i>P.I.Baranov Central Institute of Aviation Motors, Moscow</i>
12:00-12:20	NUMERICAL SIMULATION EXPECTED ACOUSTIC CHARACTERISTICS AIRCRAFT CABIN WITH NEW GENERATION ENGINES V.S. Baklanov <i>"Tupolev", Moscow, Russia</i>
12:20-12:40	DIRECT CONTROL OF INSTABILITY WAVES IN TURBULENT JET I.V. Belyaev, G.A. Faranosov, V.A. Kopiev, V.F. Kopiev , M.Yu. Zaitsev, <i>Central Aerohydrodynamic Institute (TsAGI), Moscow Research Complex, Moscow, Russia</i>
12:40-14:10	Lunch

14:10-15:40	Session 7 of International Workshop Session 15 of All-Russia Conference Chairman:
	Lecture
14:10-15:00	THE AEROACOUSTICS OF SWIRLING FLOW Nigel Peake <i>University of Cambridge, UK</i>
	Contributed Talks
15:00-15:20	DIFFERENT APPROACHES IN CORRELATION MODELING OF NOISE SOURCES IN TURBULENT JET S.A. Chernyshev and V.F. Kopiev <i>Central Aerohydrodynamic Institute (TsAGI), Moscow Research Complex, Moscow, Russia</i>
15:20-15:40	EFFICIENT HYBRID RANS-CAA METHOD FOR PREDICTION OF SINGLE- AND DUAL-STREAM JET MIXING NOISE Roland Ewert, Andrej Neifeld <i>Institute of Aerodynamics and Flow Technology, Technical Acoustics, German Aerospace Center (DLR), Braunschweig, Germany</i>
15:40-16:00	Coffee-break
16:00-17:00	Session 8 of International Workshop Session 16 of All-Russia Conference Chairman:
	Contributed Talks
16:00-16:20	SOUND GENERATED BY COHERENT STRUCTURES IN SUBSONIC JETS Andre V. Cavalieri ¹ , Peter Jordan ² , Yves Gervais ² ¹ <i>Prime Institute, Poitiers, France and Instituto Tecnológico de Aeronáutica, Sao Jose dos Campos, Brazil</i> ² <i>Prime Institute, Poitiers, France</i>
16:20-16:40	AN INVESTIGATION OF THE MECHANISMS OF SOUND GENERATION IN INITIALLY LAMINAR, SUBSONIC JETS USING THE GOLDSTEIN ACOUSTIC ANALOGY Christophe Bogey ² , Tom Hynes ¹ , Sergey A. Karabasov ¹ ¹ <i>Whittle Laboratory, University of Cambridge Department of Engineering, Cambridge, CB3 0DY, UK</i> ² <i>Laboratoire de Mécanique des Fluides et d'Acoustique, UMR CNRS 5509, Ecole Centrale de Lyon, Université de Lyon, 69134 Ecully, France</i>
16:40-17:00	MODELLING OF TURBULENT JET BY CABARET METHOD G.A. Faranosov ¹ , V.M. Goloviznin ^{1,2} , S.A. Karabasov ^{1,2,3} , V.G. Kondakov ² , V.F. Kopiev ¹ , M.A. Zaitsev ^{1,2} ¹ <i>Moscow Institute of Nuclear Safety, Moscow, Russia</i> ² <i>Central Aerohydrodynamic Institute (TsAGI), Moscow Research Complex, Moscow, Russia</i> ³ <i>University of Cambridge, Cambridge, CB3 0DY, UK</i>
17:00	Group Photo <i>Meeting point: entrance to hotel "Volna"</i>
17:30- ...	Walking Excursion on Svetlogorsk <i>Meeting point: entrance to hotel "Volna"</i>

September 21st, Friday – Fifth Day	
9:30-11:00	Session 9 of International Workshop Session 17 of All-Russia Conference Chairman:
	Lecture
9:30-10:20	THE ADER APPROACH TO HIGH ORDER: SOME RECENT DEVELOPMENTS Eleuterio Toro ¹ , Gino Montecinos ¹ and Vladimir Titarev ² ¹ <i>University of Trento, Italy</i> ² <i>Dorodnitsyn Computing Center of RAS, Moscow, Russia</i>
	Contributed Talks
10:20-10:40	USING HIGHLY ACCURATE MULTIOPERATORS-BASED OPTIMIZED SCHEMES FOR NUMERICAL SIMULATION OF SOUND GENERATION DUE TO INSTABILITY OF SUBSONIC AND SUPERSONIC JETS A.I.Tolstykh , M.V.Lipavskii, D.A.Shirobokov <i>Dorodnitsyn Computing Center of RAS, Moscow, Russia</i>
10:40-11:00	COMPARATIVE ACCURACY ASSESSMENT OF CONTEMPORARY SHOCK CAPTURING SCHEMES IN SIMULATION OF INTERACTION OF SOUND WAVES WITH SHOCKS A.N. Kudryavtsev ¹ , D.V. Khotyanovsky ² <i>Khristianovich Institute of Theoretical and Applied Mechanics SB RAS, Novosibirsk, Russia</i>
11:00-11:20	Coffee-break
11:20-12:40	Session 10 of International Workshop Session 18 of All-Russia Conference Chairman:
	Contributed Talks
11:20-11:40	FLOW STABILITY OF ISOLATED PLANAR VORTICES Igor Menshov <i>Keldysh Institute of Applied Mathematics, Moscow, Russia</i>
11:40-12:00	A MULTI-SPACE-TIME ALGORITHM FOR CONCURRENT LARGE/SMALL SCALE FLUID DYNAMICS SIMULATIONS Sergey A. Karabasov, Anton P. Markesteijn <i>University of Cambridge, Cambridge, CB3 0DY, UK</i>
12:00-12:20	USING HIGH-ACCURACY AEROACOUSTIC SCHEMES ON REGULAR GRIDS FOR THE SIMULATION OF VISCOUS DUCT AND JET FLOWS Anatoly Alexandrov ¹ , Ludwig Dorodnicyn ² ¹ <i>Keldysh Institute of Applied Mathematics, Moscow, Russia</i> ² <i>M.V.Lomonosov Moscow State University, Faculty of Computational Mathematics and Cybernetics, Moscow, Russia</i>
12:20-12:40	BEM METHOD INITIALLY BASED ON FEM APPROXIMATION J. Poblet-Puig ¹ , A.V.Shanin ² , V.Yu.Valyaev ² ¹ <i>Universitat Politecnica de Catalunya, Laboratori de Calcul Numeric, Barcelona, Spain</i> ² <i>M.V.Lomonosov Moscow State University, Faculty of Physics, Moscow, Russia</i>
12:40-14:10	Lunch

14:10-15:40	Session 11 of International Workshop Session 19 of All-Russia Conference Chairman:
	Lecture
14:10-15:00	AIRCRAFT NOISE SIMULATION AT DLR Roland Ewert <i>Institute of Aerodynamics and Flow Technology, Technical Acoustics, German Aerospace Center (DLR), Braunschweig, Germany</i>
	Contributed Talks
15:00-15:20	SLAT NOISE MEASUREMENT AND NUMERICAL PREDICTION IN THE VALIANT PROGRAMME Thomas Le Garrec ¹ , Ingrid Le Griffon ¹ , Benoît Lemoine ² , Eric Manoha ¹ , Marc Terracol ¹ ¹ <i>Office National d'Études et de Recherches Aérospatiales, Châtillon, France</i> ² <i>Ecole Centrale de Lyon, Ecully, France</i>
15:20-15:40	FIGHTING AGAINST THE AIRFRAME NOISE WITH SQUARE STRUTS AND GAPS IN FP7 VALIANT PROJECT I. Abalakin ¹ , A. Duben ^{1,2} , A. Gorobets ¹ , T. Kozubskaya ¹ ¹ <i>Keldysh Institute of Applied Mathematics, Moscow, Russia</i> ² <i>Moscow Institute of Physics and Technology, Dolgoprudny, Moscow region, Russia</i> ³ <i>Moscow State Technological University "Stankin", Moscow, Russia</i>
15:40-16:00	ADVANCED ENGINE NOISE CONTROL BASED ON PLASMA ACTUATORS (FP7 PROJECT ORINOCO) Franck Clero ¹ , Victor Kopiev ² ¹ <i>ONERA, France</i> ² <i>Central Aerohydrodynamic Institute, Moscow Research Complex, Moscow, Russia</i>
16:00-16:20	Coffee-break
16:20-17:20	Session 12 of International Workshop Session 20 of All-Russia Conference Chairman:
	Round Table Discussions <i>On the state-of-the art of computational experiment in aeroacoustics, directions of further developments and challenges, other scientific and practical questions related to the Workshop and Conference</i> <i>All the participants of International Workshop and All-Russia Conference are invited</i>
19:00- ...	<p style="text-align: center;">Dinner Workshop&Conference Closure Ceremony</p> <i>Hotel "Russ"</i>

September 22nd, Saturday – Sixth Day**9:00-21:00**

Outdoor After-Party Discussions
within the excursion on Kaliningrad Region
Buses depart from Hotel “Volna”

September 23rd, Sunday – Day of Departure**Transfer to Airport***Microbuses and cars depart from hotel “Olimp”*